

IN THE CLAIMS:

Claims 1-20 (Canceled).

21. (Original) An EL display device comprising:

a substrate;

a switching thin film transistor formed over the substrate and including:

a first channel region;

a pair of first impurity regions formed in contact with the first channel region;

a first gate electrode formed adjacent to the first channel region with a first gate insulating film interposed therebetween, and

a current controlling thin film transistor formed over the substrate and including:

a second channel region;

a pair of second impurity regions formed in contact with the second channel region;

a second gate electrode formed adjacent to the second channel region with a second gate insulating film interposed therebetween,

wherein the first impurity region includes an n-type impurity element at a first concentration while the second impurity region includes the n-type impurity element at a second concentration,

wherein the second concentration is higher than the first concentration.

22. (Original) An EL display device according to claim 21, wherein the n-type impurity

element comprises phosphorus.

23. (Original) An EL display device according to claim 21, wherein the EL display device is incorporated into an electronic equipment selected from the group consisting of a cellular phone, a video camera, a mobile computer, a goggle type display, a projector, a portable electronic book, a digital camera, a navigation system for vehicles, and a personal computer.

24. (Original) An EL display device comprising:

- a substrate;

- a switching thin film transistor formed over the substrate and including:

- a first channel region;

- a pair of first impurity regions formed in contact with the first channel region;

- a first gate electrode formed adjacent to the first channel region with a first gate insulating film interposed therebetween, and

- a current controlling thin film transistor formed over the substrate and including:

- a second channel region;

- a pair of second impurity regions formed in contact with the second channel region;

- a second gate electrode formed adjacent to the second channel region with a second gate insulating film interposed therebetween,

- a leveling film formed over the switching thin film transistor and the current controlling thin film transistor;

an EL element formed over the leveling film and electrically connected to the current controlling thin film transistor,

wherein the first impurity region includes an n-type impurity element at a first concentration while the second impurity region includes the n-type impurity element at a second concentration,

wherein the second concentration is higher than the first concentration.

25. (Original) An EL display device according to claim 24, wherein the n-type impurity element comprises phosphorus.

26. (Original) An EL display device according to claim 24, wherein the EL display device is incorporated into an electronic equipment selected from the group consisting of a cellular phone, a video camera, a mobile computer, a goggle type display, a projector, a portable electronic book, a digital camera, a navigation system for vehicles, and a personal computer.

27. (Original) An EL display device comprising:

a pixel portion and a driver circuit formed over a substrate;

a switching thin film transistor formed in the pixel portion and including:

a first channel region;

a pair of first impurity regions formed in contact with the first channel region;

a first gate electrode formed adjacent to the first channel region with a first gate

insulating film interposed therebetween, and

a current controlling thin film transistor formed in the pixel portion and including:

a second channel region;

a pair of second impurity regions formed in contact with the second channel region;

a second gate electrode formed adjacent to the second channel region with a second gate insulating film interposed therebetween,

wherein the first impurity region includes an n-type impurity element at a first concentration while the second impurity region includes the n-type impurity element at a second concentration,

wherein the second concentration is higher than the first concentration.

28. (Original) An EL display device according to claim 27, wherein the n-type impurity element comprises phosphorus.

29. (Original) An EL display device according to claim 27, wherein the EL display device is incorporated into an electronic equipment selected from the group consisting of a cellular phone, a video camera, a mobile computer, a goggle type display, a projector, a portable electronic book, a digital camera, a navigation system for vehicles, and a personal computer.

30. (Original) An EL display device comprising:

a pixel portion and a driver circuit formed over a substrate;

a switching thin film transistor formed in the pixel portion and including:

- a first channel region;
- a pair of first impurity regions formed in contact with the first channel region;
- a first gate electrode formed adjacent to the first channel region with a first gate insulating film interposed therebetween, and

a current controlling thin film transistor formed in the pixel portion and including:

- a second channel region;
- a pair of second impurity regions formed in contact with the second channel region;
- a second gate electrode formed adjacent to the second channel region with a second gate insulating film interposed therebetween,

a leveling film formed over the switching thin film transistor and the current controlling thin film transistor;

an EL element formed over the leveling film and electrically connected to the current controlling thin film transistor,

wherein the first impurity region includes an n-type impurity element at a first concentration while the second impurity region includes the n-type impurity element at a second concentration,

wherein the second concentration is higher than the first concentration.

31. (Original) An EL display device according to claim 30, wherein the n-type impurity element comprises phosphorus.

32. (Original) An EL display device according to claim 30, wherein the EL display device is incorporated into an electronic equipment selected from the group consisting of a cellular phone, a video camera, a mobile computer, a goggle type display, a projector, a portable electronic book, a digital camera, a navigation system for vehicles, and a personal computer.